

ABSTRACT

A portable hand-held device for measuring the pressure in an automobile air conditioning system includes a socket adapted to connect to a service port, an internal passage in communication with the socket, and a pressure gauge disposed in the housing selectively in communication with the internal passage. A valve is interposed between the internal passage and the gauge. When the socket is engaged to a service port of an automobile air conditioning system, gas from the automobile air conditioning system enters the socket, passes through the internal passage, and is read by the pressure gauge. A button is provided having a ramped portion, and a pin contacts the ramped portion of the button at one end at the valve at the other end. When the button is depressed, the pin raises the valve into an open position to allow pressurized gas trapped on a gauge side of the valve to be released via the socket to reset the gauge.